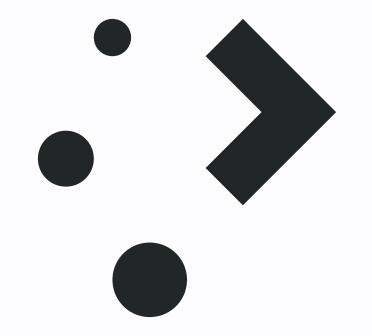
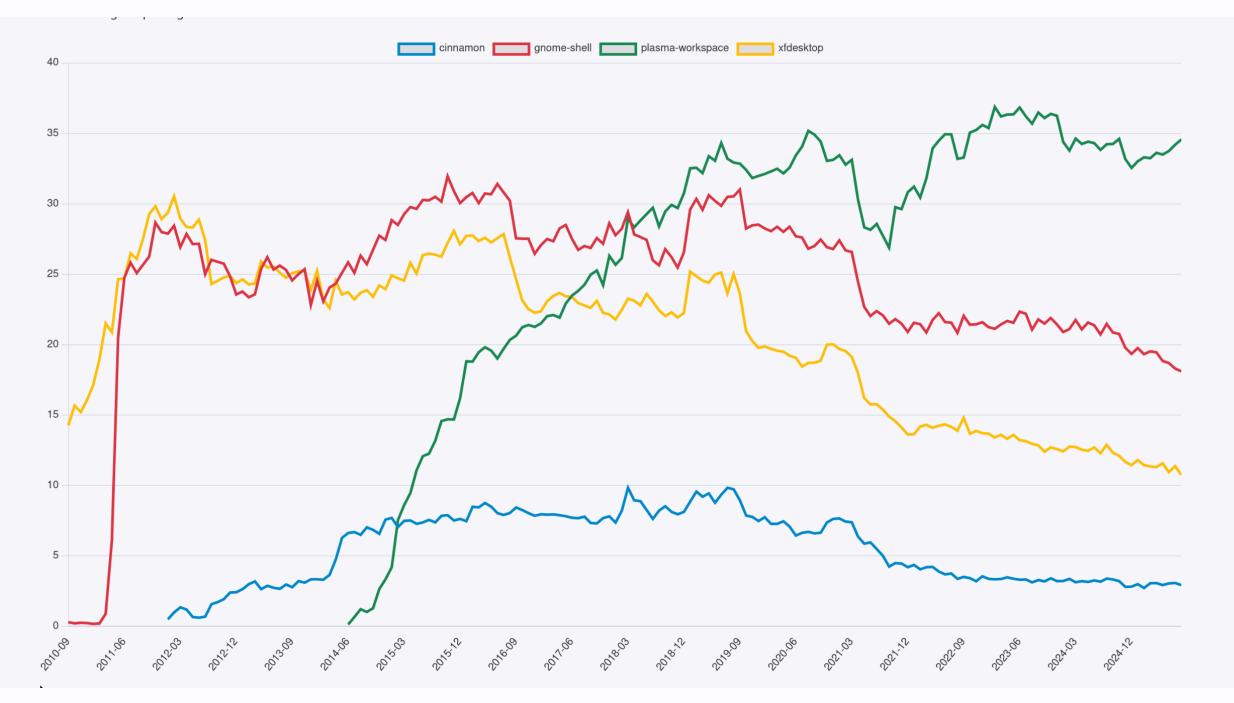
#### Plasma: Lessons learned

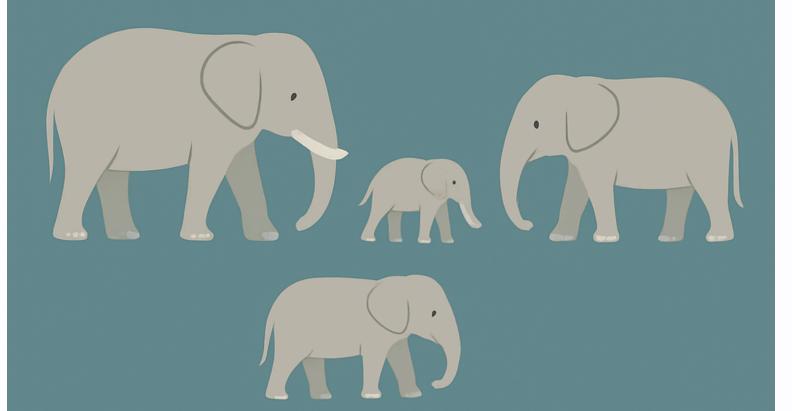


## What's our greatest asset?



#### Overview

## The elephant in the room



## Will you ever regret taking your time?

Will you ever regret rushing?

#### Lessons

- People still talk about KDE 4.0 17 years later!
- Winning people back is hard

#### Lessons

- If you can split things up, split it
- Good goals are about achieving lots, not doing lots of things

#### Baloo's First release

#### Baloo

- Huge upgrade from Nepomuk
- Massively lighter, night and day difference in the right direction
- To encourage adoption the first release had no user
   UI to disable it
- Relatively, amazing.

#### Lessons

- Don't be *over* confident!
- Once a reputation is set, it's very hard to shake

#### Changing our release cycle

#### Changing our release cycle

- Used to have a feature freeze, string freeze, UI freeze, alpha1, beta1, beta2, beta3, RC1, RC2 ... Release
- 6 month cycle
- Pivoted to a 3 month cycle with no feature freeze, only one beta 2 weeks before

#### It didn't work out.

#### Lessons

 If a policy isn't working, the extreme opposite isn't the answer

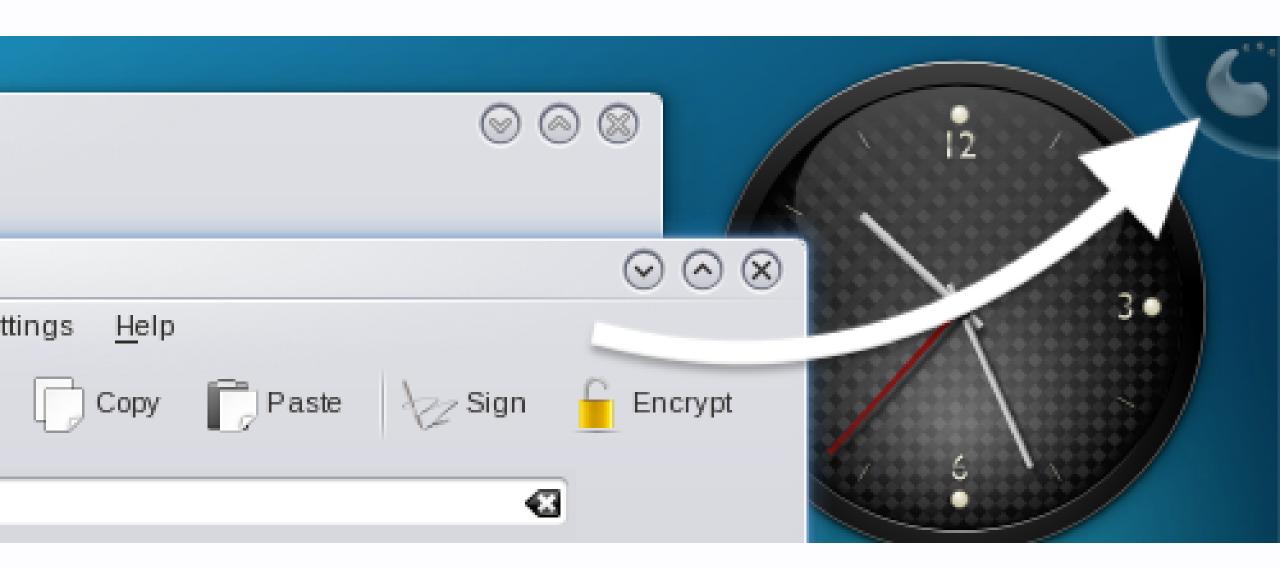
#### The art of releases

#### Lifecycle of a patch

- In an merge request (1-10 people)
- On master (10-100 people)
- In a beta (100-1000 people)
- Available for users (1,000 100,000 people)
- On by default (100,000 10,000,000 people)

#### Understanding our userbase

#### The cashew.



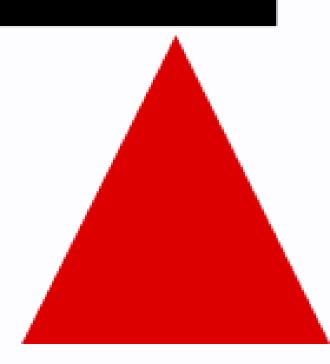
#### Why did it fail?

#### simple complex



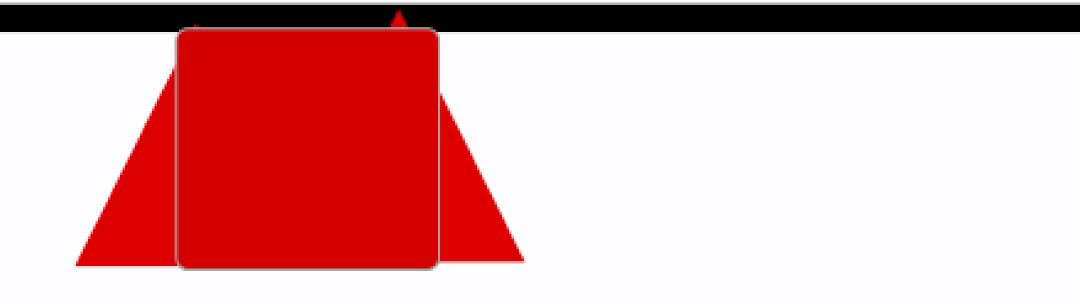
#### simple

#### complex

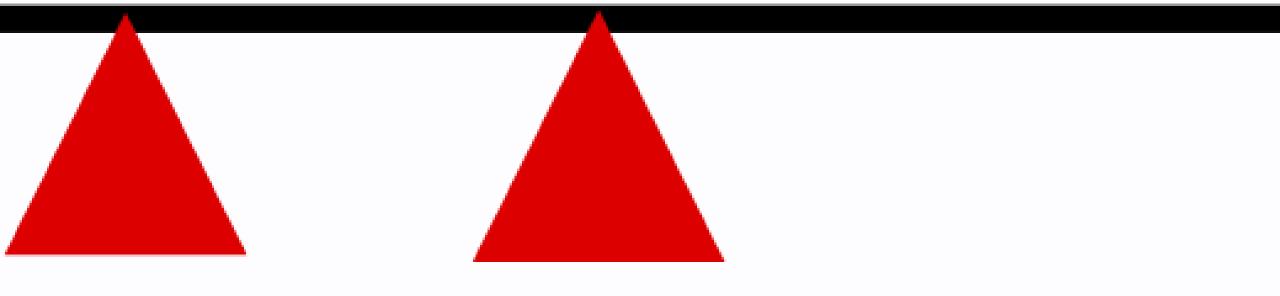


#### simple

#### complex



#### simple complex



#### Understanding our users









is this our userbase?

### The Reddit/Phoronix/Bugzilla Crowd Repesentative of our userbase?

No

### The Reddit/Phoronix/Bugzilla Crowd Repesentative of our userbase?

But...

#### They are our ambassadors

# The Commit Digest / "This week in KDE" are so important

## Our biggest success has come from our core product

#### Lessons

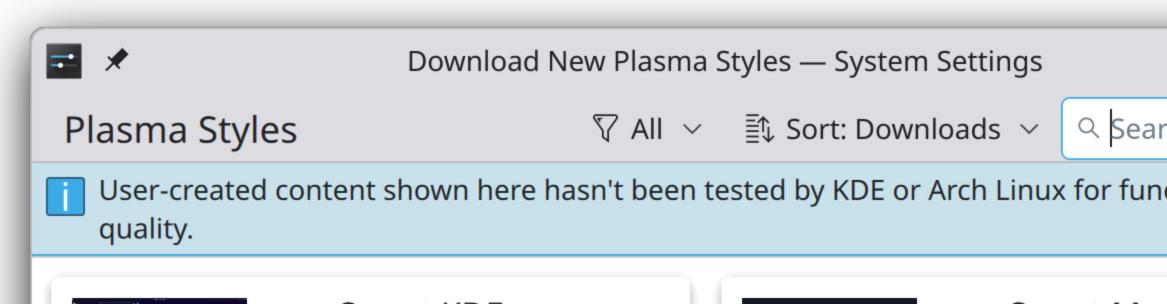
- Don't go chasing bigger markets at the expense of the current one
- Focus on what makes you different in a good way

#### Code problems

#### Don't half-solve something: Theming

#### Theming when it works

There are literally thousands of themes on the Plasma store





Sweet KDE By *eliverlara* 



Sweet Mar By *eliverlard* 

#### Theming when it works

- We had tooling
- We had (some!) documentation
- We had a distribution process

## Theming when it fails The login screen

Loaded QML files that could be user-replaced

### The login screen - why was it problematic

- It held us back implementing features
- Causes the code to be strewn around

### The login screen - why it didn't work

- Lots of tiny details are hard to do right.
  - accessibilty
  - keyboard navigation
  - screen size handling
- Limited documentation
- Most people want the default with some settings

#### Lessons

- Balance opportunities and costs
- If you are going to do something, go all in and make it work

#### Code quality

### Quick-fire Observations / Practical advice

# Extra time during review will pay for itself

#### Optimise for simplicity/maintainability above literally everything else

#### Observations

- Some workarounds are ineviatible
- Not all workarounds cause the same tech debt

### The one policy that changed everything!

"If you're working around a Qt bug, you must file a decent bug report upstream and link to that bug report"

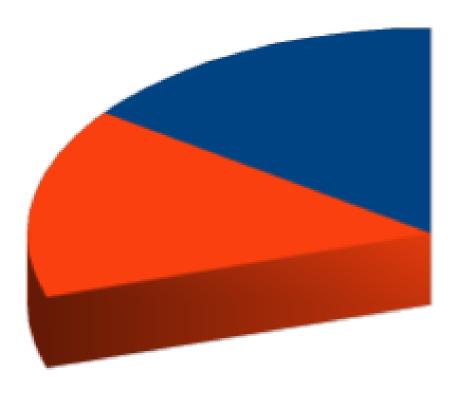
#### Why it's great

```
// Workaround for https://bugreports.qt.io/browse/QTBUG-106118
Binding on visible {
    delayed: true
    restoreMode: Binding.RestoreBindingOrValue
    value: controlRoot.size < 1.0 && controlRoot.size > 0 && controlRo
}
```

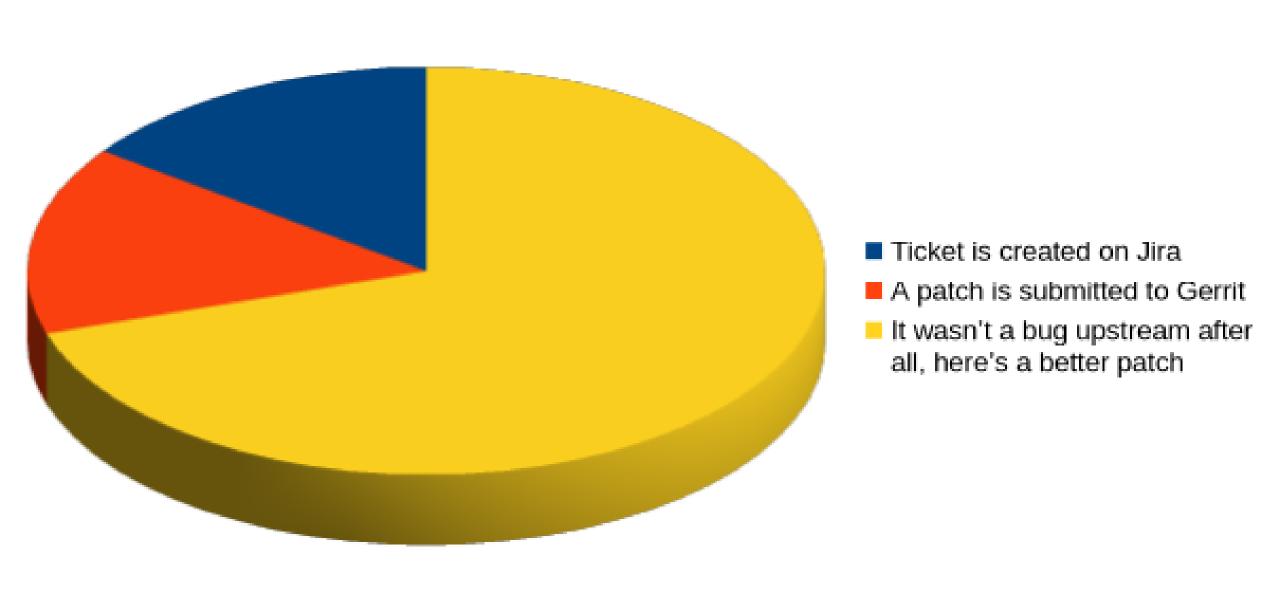
#### The surprise observation



■ Ticket is created on Jira

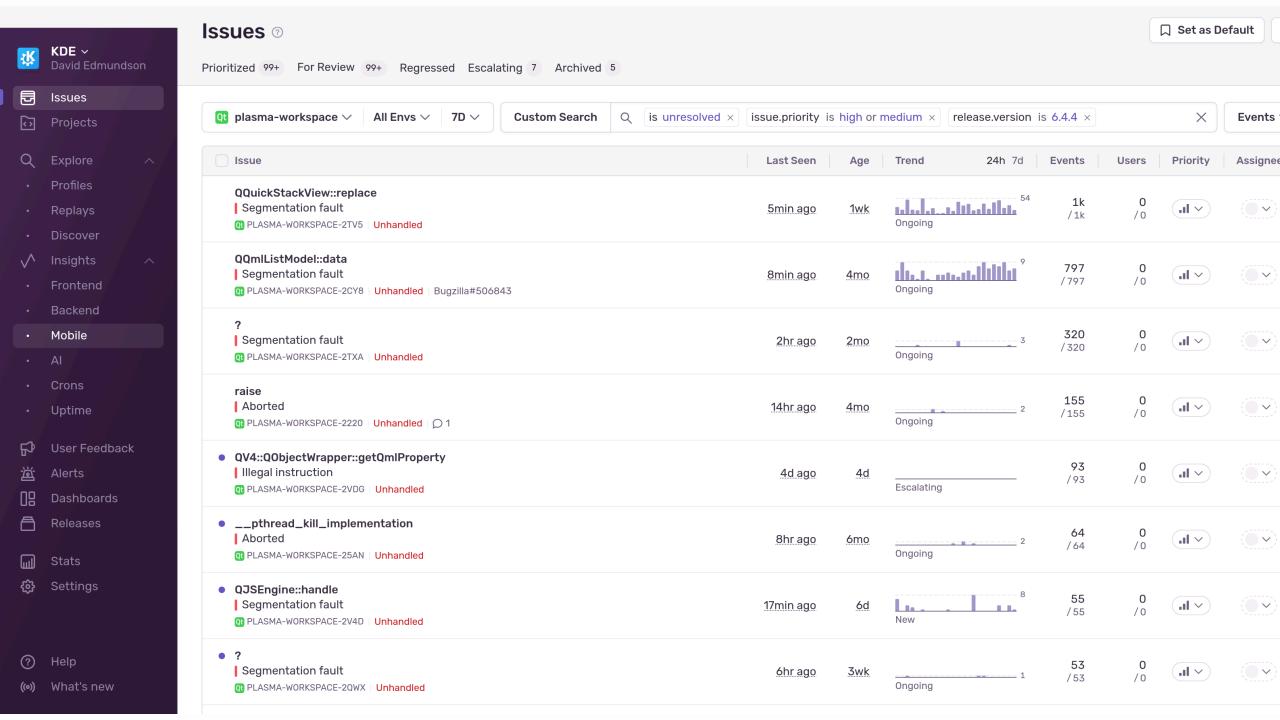


- Ticket is created on Jira
- A patch is submitted to Gerrit



#### Bugs

#### Sentry is a gamechanger



# The surprise observation It doesn't match bugzilla at all.

Issue	Sentry	Bugzilla
QQuickStackView::replace	1100 hits	1 ticket
libexiv ABI issue	36 hits	4 tickets

#### Why Sentry Works

- Prioritise what's important
- Automate what we can
- Focus on what's new

## How we've got better at bugzilla

- Prioritise what's important
- Automate what we can
- Focus on what's new

# What's the current trajectory within Plasma?

### What's our current trajectory?

- We're not adding more gimmicks
- We're making our existing features better
- Focussing on weak points

#### Questoins